

The documentation and process conversion measures necessary to comply with this amendment shall be completed by 15 February 2003.

INCH POUND

MIL-PRF-19500/336G
AMENDMENT 1
15 November 2002

PERFORMANCE SPECIFICATION

SEMICONDUCTOR DEVICE, UNITIZED, DUAL-TRANSISTOR, PNP,
SILICON TYPES 2N3810, 2N3810L, 2N3810U, 2N3811, 2N3811L AND
2N3811U JAN, JANTX, JANTXV, JANS, JANHC, AND JANKC

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

PAGE 12

4.4.4; delete and substitute:

“ 4.4.4 Group E inspection. Group E inspection shall be performed for qualification or re-qualification only. In case qualification was awarded to a prior revision of the associated specification that did not request the performance of table II tests, the tests specified in table II herein shall be performed by the first inspection lot of this specification to maintain qualification.”

PAGE 16

TABLE I, subgroup 2, base emitter voltage (non-saturated) (absolute value of differential), symbol $|V_{BE1} - V_{BE2}|1$, add “6”.

TABLE I, subgroup 2, base emitter voltage (non-saturated) (absolute value of differential) , symbol $|V_{BE1} - V_{BE2}|2$, add “6”.

TABLE I, subgroup 2; delete “base emitter voltage (absolute value of differential-change with temperature) test, 6” and applicable information.

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PAGE 16 and 17

TABLE I, subgroup 3, delete and substitute:

“						
<u>Subgroup 3</u>						
High temperature operation:		$T_A = +150^{\circ}\text{C}$				
Base emitter voltage (absolute value of differential-change with temperature) <u>6/</u>	3066	Test condition B $V_{CE} = 5 \text{ V dc}; I_C = 100 \mu\text{A dc}$ $T_A = +125^{\circ}\text{C}$ and $+25^{\circ}\text{C}$ (see 4.5.7)	$ \Delta V_{BE1}$ — V_{BE2} $\Delta T_A 2$		1.0	mV dc
Collector to base cutoff current	3036	Bias condition D, $V_{CB} = 50 \text{ V dc}$	I_{CBO3}		10	$\mu\text{A dc}$
Low temperature operation:		$T_A = -55^{\circ}\text{C}$				
Forward-current transfer ratio	3076	$V_{CE} = 5 \text{ V dc}; I_C = 100 \mu\text{A dc}$	h_{FE6}			
2N3810, 2N3810L, U 2N3811, 2N3811L, U					60 100	
Base emitter voltage (absolute value of differential-change with temperature) <u>6/</u>	3066	Test condition B $V_{CE} = 5 \text{ V dc}; I_C = 100 \mu\text{A dc}$ $T_A = +25^{\circ}\text{C}$ and -55°C (see 4.5.7)	$ \Delta V_{BE1}$ — V_{BE2} $\Delta T_A 1$		0.8	mV dc
”						

Custodians:
Army - CR
Navy - EC
Air Force - 11
NASA - NA
DLA - CC

Preparing activity:
DLA - CC

(Project 5961- 2617)

Review activities:
Army - AV, MI
Navy - AS, MC
Air Force - 19, 71, 99